

Claims

1.-4. (canceled)

5. (new) A temperature compensation element for a connection unit to which lines can be connected, the temperature compensation element comprising:

a first strip of thermally-conductive material, wherein thermally-conductive terminal lugs are arranged in a row to the first strip, wherein each lug can be contacted with corresponding terminals of the connection unit, and wherein the lugs are connected to the first strip in a thermally-conductive manner.

6. (new) The temperature compensation element in accordance with claim 5, wherein the thermally-conductive terminal lugs are arranged essentially at right angles to the first strip.

7. (new) The temperature compensation element in accordance with claim 5, further comprising a second strip of thermally-conductive material opposite the first strip.

8. (new) The temperature compensation element in accordance with claim 6, further comprising a second strip of thermally-conductive material opposite the first strip.

9. (new) The temperature compensation element in accordance with claim 5, wherein the first strip and the terminal lugs are electrically-conducting, wherein the terminal lugs are electrically isolated from the first strip, wherein on the first strip a temperature-dependent resistor is arranged, and wherein the terminals of the resistor make contact with a terminal lug in each case.

10. (new) The temperature compensation element in accordance with claim 6, wherein the first strip and the terminal lugs are

electrically-conducting, wherein the terminal lugs are electrically isolated from the first strip, wherein on the first strip a temperature-dependent resistor is arranged, and wherein the terminals of the resistor make contact with a terminal lug in each case.

11. (new) The temperature compensation element in accordance with claim 7, wherein the first strip and the terminal lugs are electrically-conducting, wherein the terminal lugs are electrically isolated from the first strip, wherein on the first strip a temperature-dependent resistor is arranged, and wherein the terminals of the resistor make contact with a terminal lug in each case.

12. (new) The temperature compensation element in accordance with claim 7, wherein the first and the second strip are connected to each other on the side opposite the terminal lugs.

13. (new) The temperature compensation element in accordance with claim 11, wherein the first and the second strip are connected to each other on the side opposite the terminal lugs.

14. (new) A temperature compensation element for a connection unit, to which lines can be connected, with the temperature compensation element comprising at least a first strip of thermally-conductive material on which, essentially at right angles to the strip, arranged in a row, are thermally-conductive terminal lugs, which can in each case be contacted with corresponding terminals of the connection unit, with the terminal lugs being connected to the strip in a thermally-conductive manner.

15. (new) The temperature compensation element in accordance with claim 14, wherein the temperature compensation element is provided with a second strip of thermally-conductive material opposite the first strip.

16. (new) The temperature compensation element in accordance with claim 14, wherein the first strip and the terminal lugs are electrically-conducting, with the terminal lugs being electrically isolated from the first strip, and wherein on the first strip a temperature-dependent resistor is arranged, of which the terminals make contact with a terminal lug in each case.

17. (new) The temperature compensation element in accordance with claim 15, wherein the first strip and the terminal lugs are electrically-conducting, with the terminal lugs being electrically isolated from the first strip; and wherein on the first strip a temperature-dependent resistor is arranged, of which the terminals make contact with a terminal lug in each case.

18. (new) The temperature compensation element in accordance with claim 15, wherein the first and second strip are connected to each other on the side opposite the terminal lugs .

19. (new) The temperature compensation element in accordance with claim 17, wherein the first and second strip are connected to each other on the side opposite the terminal lugs.